

JP11066306

Publication Title:

METHOD AND DEVICE FOR EVALUATING IMAGE QUALITY AND RECORD MEDIUM

Abstract:

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PROBLEM TO BE SOLVED: To perform image evaluation with higher accuracy by using a contrast sensitivity characteristic in an area that exceeds a perceptual threshold as a human visual characteristic. SOLUTION: An image characteristic distribution measuring means 1 inputs an image to be measured, and an image information converting means 2 converts it into density distribution information, etc., of an image. A space converting means 3 converts the density distribution information into space frequency data. A storing means 5 stores a human visual space frequency characteristic to a physical characteristic amount in an area that is over a human perception threshold. A space frequency analyzing means 4 calculates the product of a visual space frequency characteristic of inside of the means 5 and space frequency data that are converted by the means 3, after that, performs space frequency analysis such as performing integration calculation and outputs an evaluation analysis from an evaluation result outputting means 6.

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